

M-136 (Keewahdin Road) at North Road Roundabout

Michigan Department of Transportation
Huron TSC

Tuesday August 31, 2021

Introductions

- MDOT
 - Brett Schlager, PE: Project Manager
- RS Engineering – Design Consultant
 - Brian Smith, PE: Project Manager

Project Limits

- MDOT is partnering with the St. Clair County Road Commission
- Two Rural two-lane roadways
- 6,750 vehicles per day in 2017 on M-136
- Signalized intersection with southbound and westbound left turn lanes
- Westbound signal bypass lane



Schedule

- Initial Public Meeting: August 31, 2021
- Preliminary Design Plans: December 2021
- Follow up Public Meeting: To be determined
- Design Completion: May 2022
- Construction Letting: December 2, 2022
- Construction: Date to be determined in 2023

Project Overview
M-136 (Keewahdin Road)
at North Road

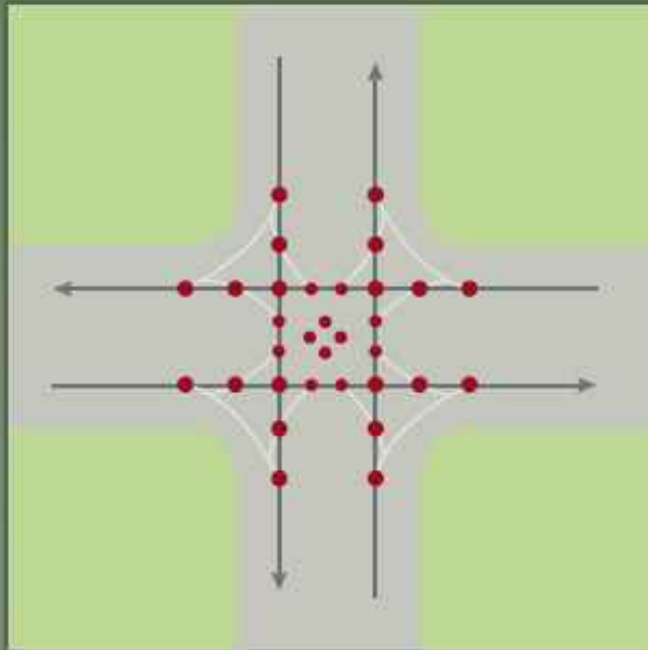
- Road Improvements include:
 - Removal of existing bypass lane and “T” intersection
 - Grading and drainage improvements
 - Construction of roundabout
 - Removal of existing traffic signal



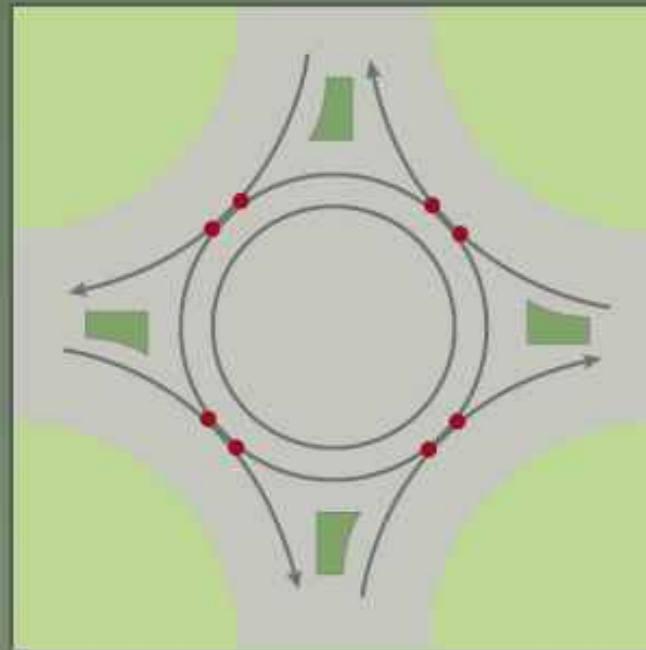
Courtesy of Google Imagery

Benefits of a Roundabout - Safety

With roundabouts, head-on and high-speed right angle collisions are virtually eliminated.



[Traditional intersection]



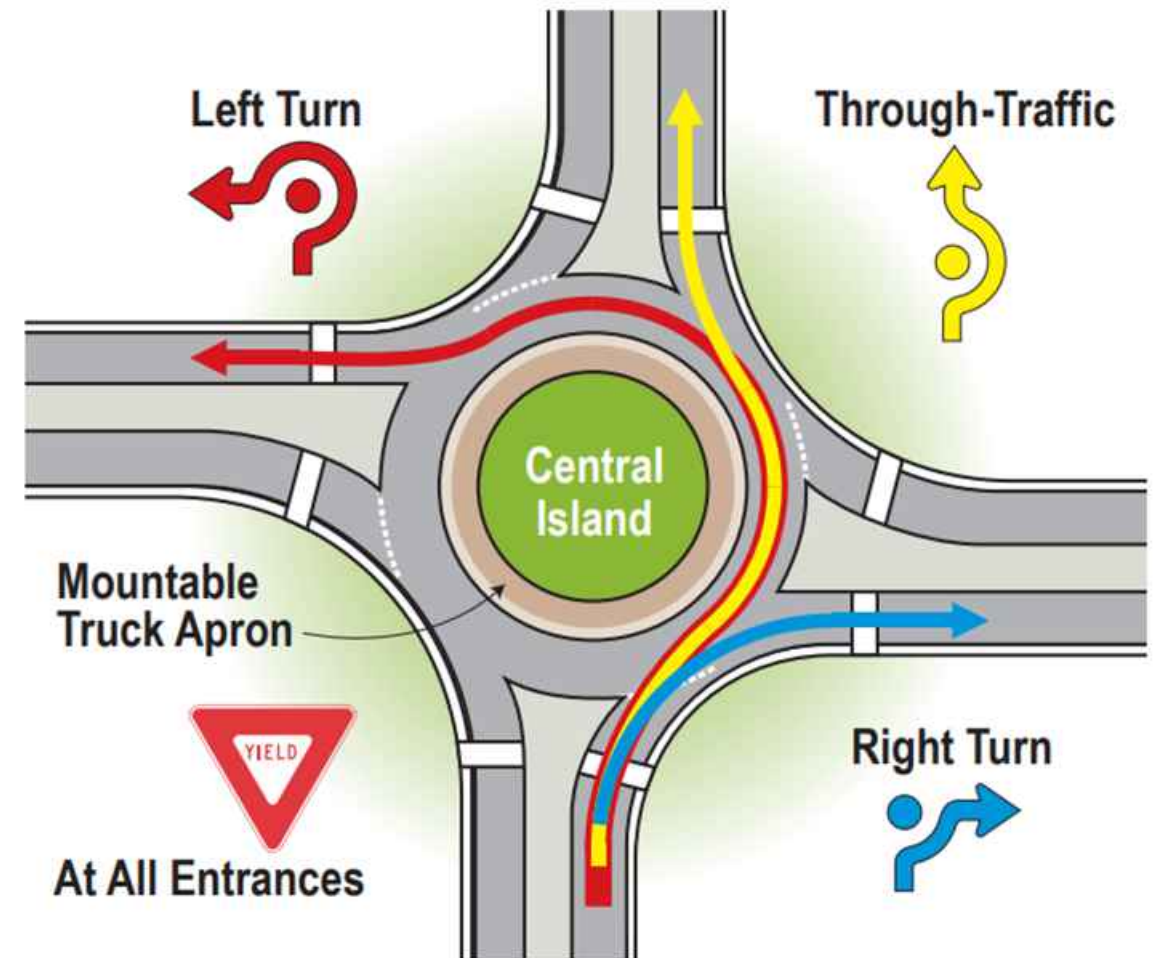
[Roundabout]

● Potential vehicle conflict point

- Slower speeds in all directions - generally result in less serious crashes
- 90% reduction in fatalities
- 76% reduction injuries
- 38% reduction in all crash types
- 40% reduction in pedestrian/cyclist incidents

Additional Benefits of a Roundabout

- Operates efficiently with reduced delay and increased capacity over a traditional 4-way stop or signalized intersection
- Lower operational and maintenance costs compared to a signalized intersection
- Improved aesthetics with landscaped central island and stamped concrete median islands



Learn More About Roundabouts

<http://www.michigan.gov/roundabout>

- YouTube Videos – How To Use A Roundabout
- Brochure - Why Does MDOT Build Roundabouts
- Safety Information
- List of MDOT Roundabouts

Roundabouts in MDOT Bay Region



SAGINAW - I-75 AND M-46



SANFORD - US-10 AND M-30



CLARE - US-127 (BUSINESS ROUTE)



MIDLAND - US-10 (BUSINESS ROUTE)



SAGINAW - I-75 AND M-81



UNION TWP - NORTH MISSION ST

Local Roundabouts in St. Clair County

Range



I-94EB
Exit

Dove



Griswold

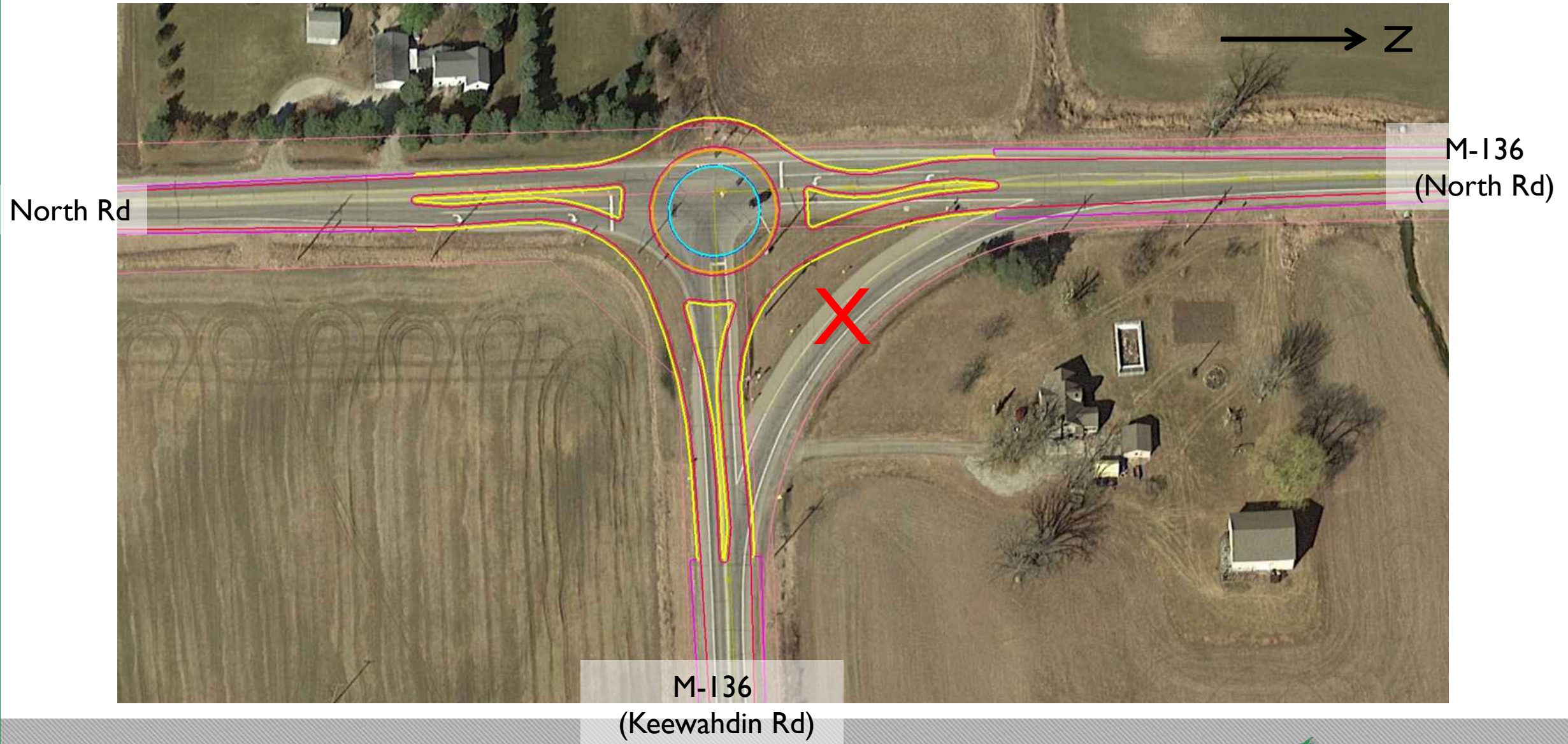
Range



Allen

Lapeer

Roundabout Draft Layout



Maintaining Traffic Plan

Alternatives

Partial closure

- Maintain two-way traffic on M-136
 - Via westbound bypass
- Detour local leg of North Road
- Detour M-136 during final phase
- Driveway access maintained at all time

Maintaining Traffic Plan Slide 2

Alternatives

No M-136 detour

- Maintain two-way traffic on M-136
 - Via westbound bypass
- Maintain one-way M-136
 - Via temporary signals through constructed roundabout
- Detour local leg of North Road
- Driveway access maintained at all time

Questions or concerns

Additional public meetings may be scheduled in 2022

Brett Schlager

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Public Comments

Please provide comments on the proposed project by October 10, 2021 using the [Public Comment Form.](#)